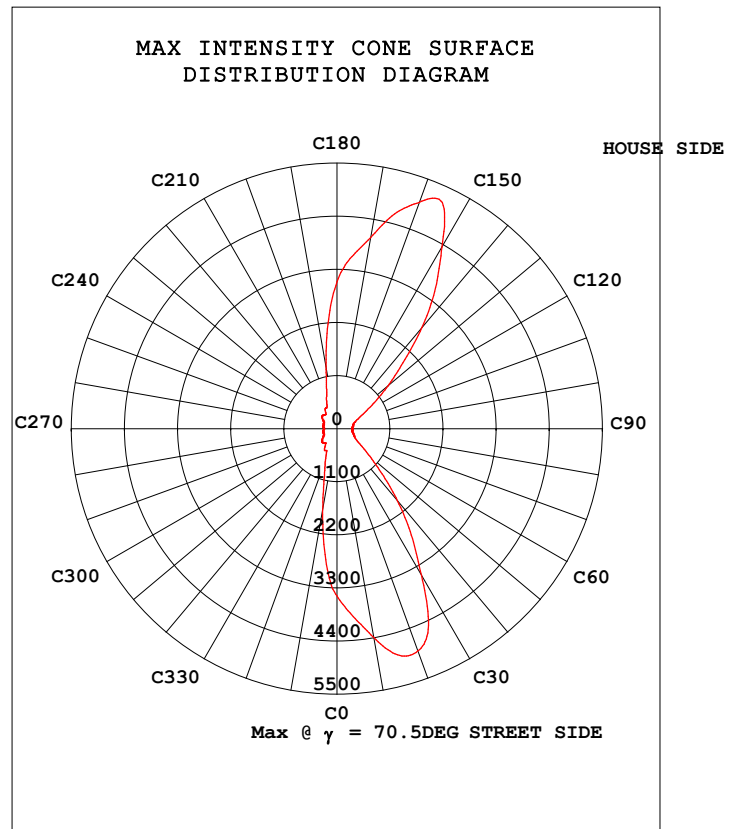
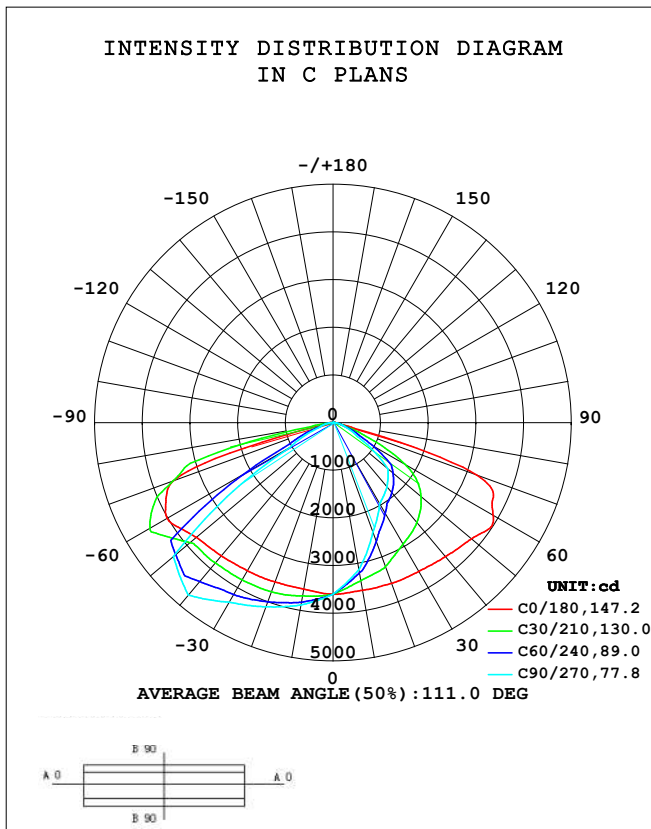


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm					
NAME: OPCITYIII-80W-4070-6C1T3M-0612			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.46X0.236X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.17X0.17		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 158.03 lm/W			
MODEL	LED	Imax (cd)	5170	η street_up (%)	0.0
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	50.8
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	12847	η house_up (%)	0.0
NOMINAL FLUX (lm)	12847	MAXIMUM @ (C, γ)	155,70.5	η house_down (%)	49.2
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	17.953



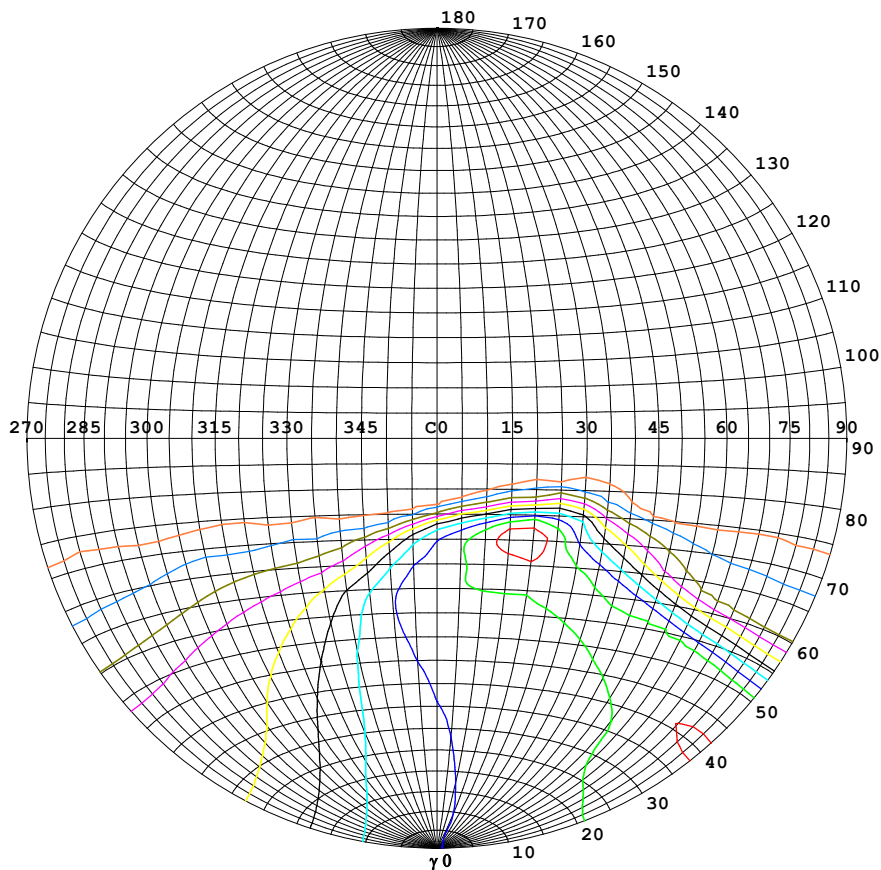
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

Note: SLI: Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm		
NAME: OPCITYIII-80W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



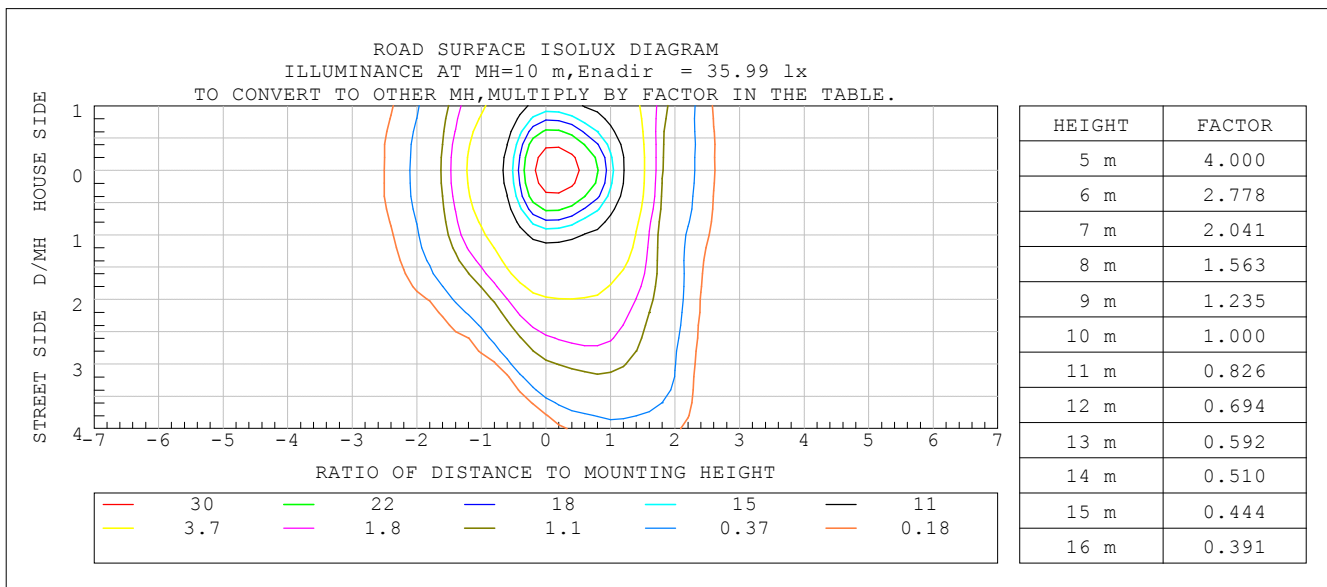
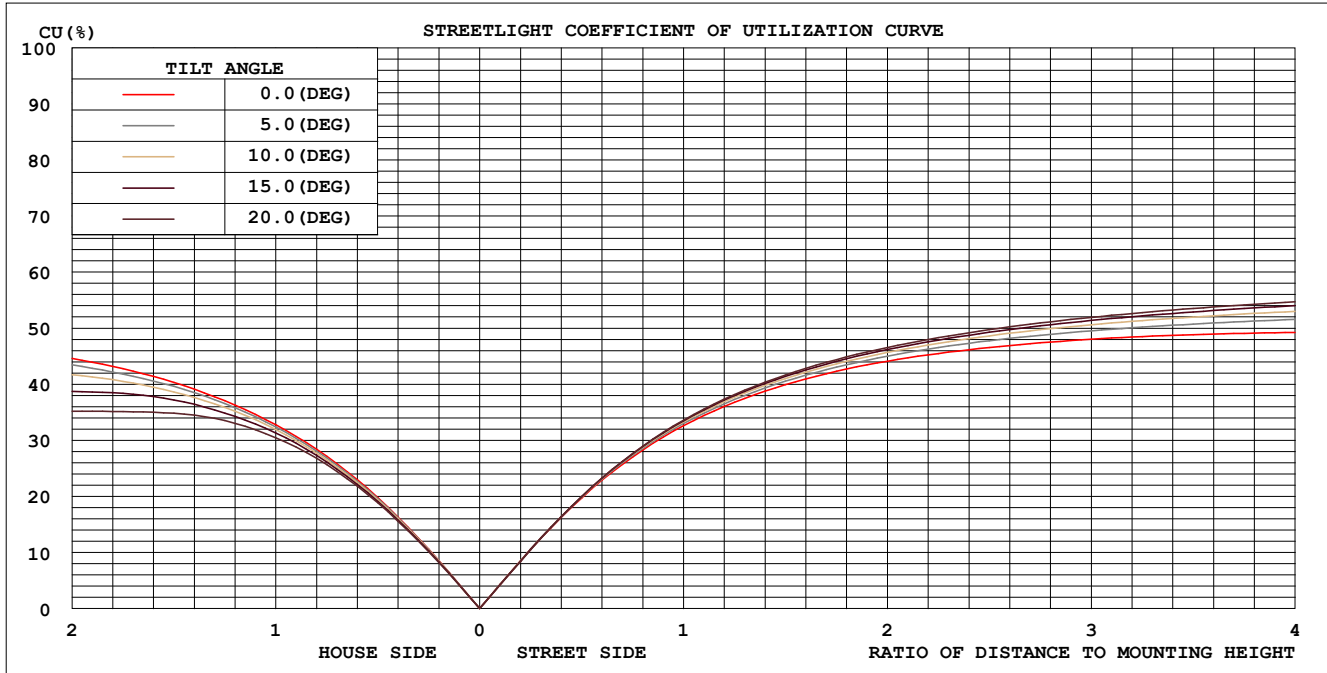
Classification:

IES:Type IV - Medium
CIE:Broad - Long
IES:Cut-off
CIE:Semi-cut-off
Max.At80:65.69cd/klm
Max.At90:3.741cd/klm
Max.80-90:65.69cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5170
90%	4653
80%	4136
70%	3619
60%	3102
50%	2585
40%	2068
30%	1551
20%	1034
10%	517
5%	259

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm		
NAME: OPCITYIII-80W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

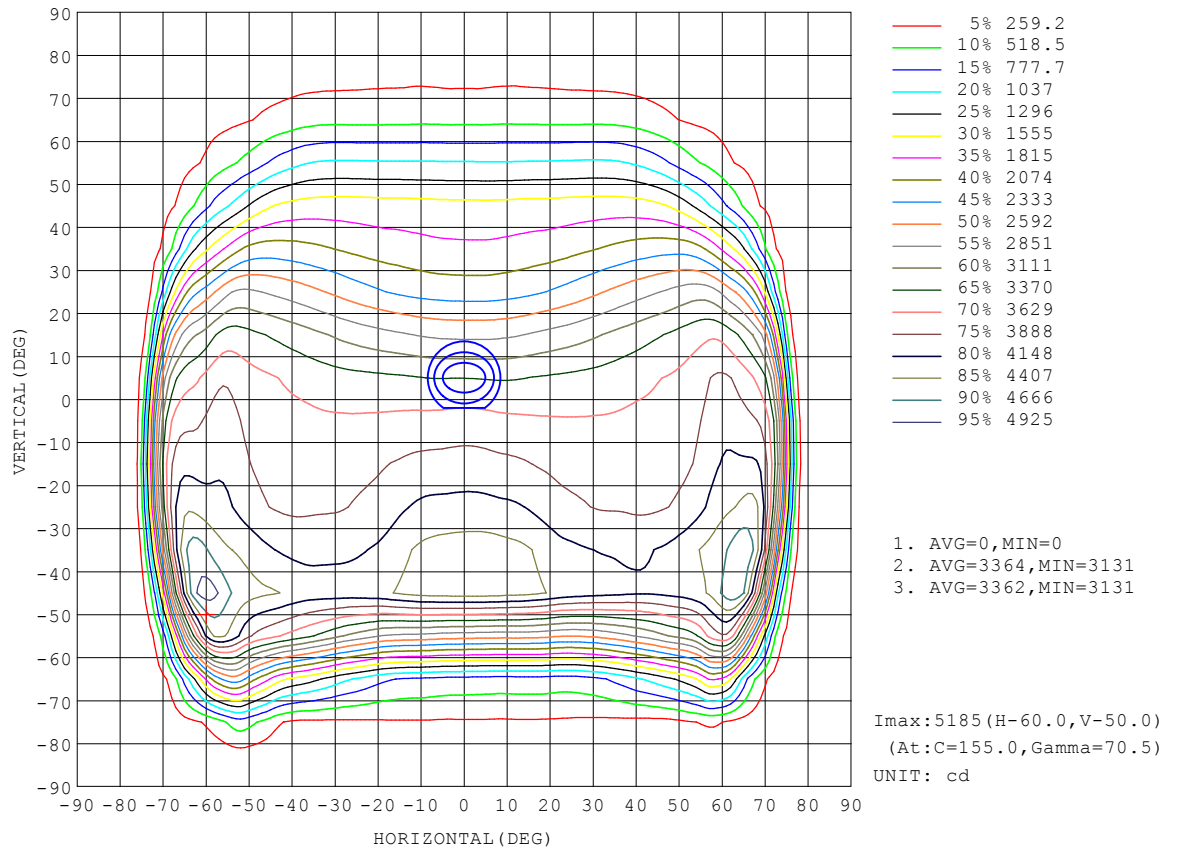
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum, lamp
5	3577	3688	3742	3692	3584	3432	3365	3426	0- 5	85.49	85.49	0.67,0.67
10	3547	3761	3885	3774	3571	3275	3131	3262	5- 10	253.2	338.7	2.64,2.64
15	3546	3838	3997	3865	3579	3130	2789	3110	10- 15	415.2	753.9	5.87,5.87
20	3557	3893	4110	3920	3589	2907	2447	2897	15- 20	567.6	1321	10.3,10.3
25	3575	3924	4230	3956	3597	2686	2204	2691	20- 25	709.9	2031	15.8,15.8
30	3590	3947	4350	3955	3604	2509	1962	2516	25- 30	843.8	2875	22.4,22.4
35	3613	3954	4537	3940	3631	2342	1862	2347	30- 35	970.7	3846	29.9,29.9
40	3650	3989	4723	3945	3669	2170	1763	2176	35- 40	1096	4941	38.5,38.5
45	3689	4157	4548	4086	3725	2054	1634	2055	40- 45	1209	6151	47.9,47.9
50	3747	4357	4373	4264	3793	1883	1505	1884	45- 50	1300	7451	58.58
55	3887	4205	2712	4290	3943	1664	1054	1676	50- 55	1335	8786	68.4,68.4
60	4022	3847	1052	4191	3881	1357	602.6	1382	55- 60	1234	10020	78.78
65	3869	2517	688.7	3253	3715	837.7	447.5	861.4	60- 65	1050	11070	86.2,86.2
70	3562	1421	325.0	2085	3200	427.5	292.3	443.3	65- 70	875.3	11945	93.93
75	1162	379.0	230.8	603.2	468.5	223.3	186.1	224.3	70- 75	601.7	12547	97.7,97.7
80	144.3	166.1	136.6	270.2	122.3	132.0	79.95	126.3	75- 80	230.5	12777	99.5,99.5
85	75.85	45.04	0	49.02	51.44	35.32	0	31.56	80- 85	61.25	12838	99.9,99.9
90	48.06	0	0	0	41.98	0	0	0	85- 90	8.611	12847	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

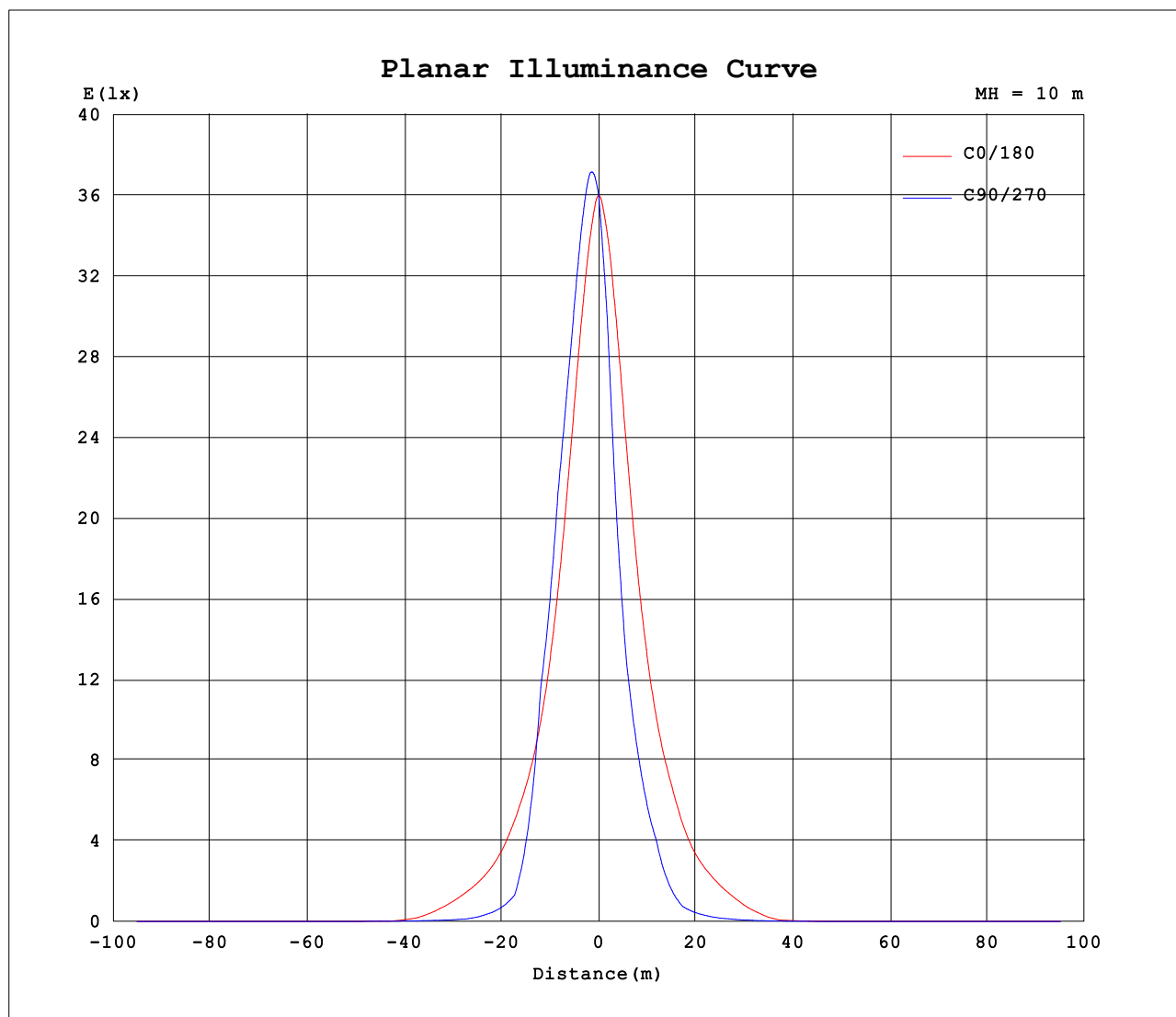
Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm		
NAME: OPCITYIII-80W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



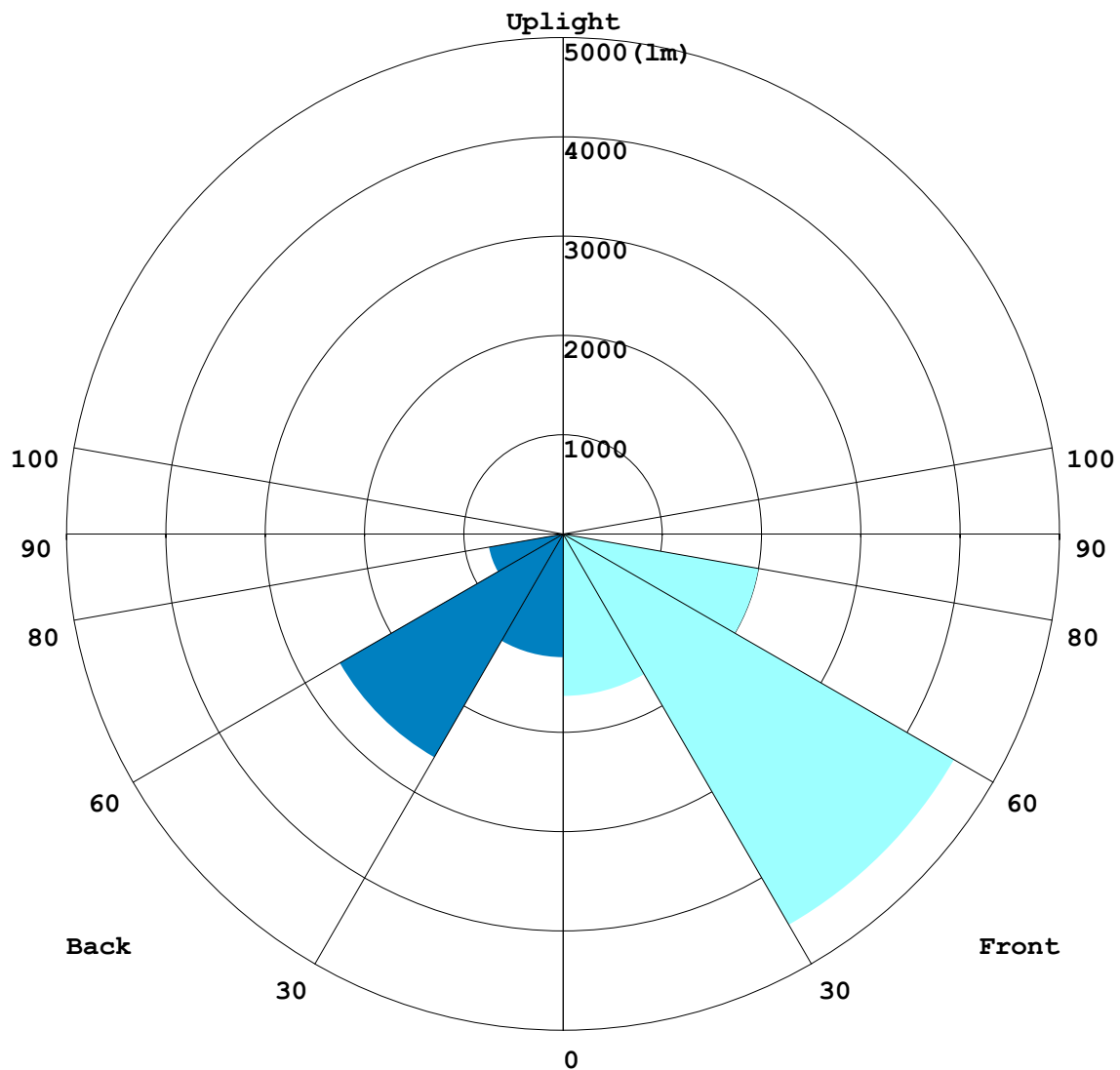
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm		
NAME: OPCITYIII-80W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm		
NAME: OPCITYIII-80W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1631.8	12.7
FM - Front-Medium(30-60)	4545.9	35.4
FH - Front-High(60-80)	1998.9	15.6
FVH - Front-Very High(80-90)	45.656	0.4
Total Forward Light	8222.2	64.0

BL - Back-Low(0-30)	1243.3	9.7
BM - Back-Medium(30-60)	2598.5	20.2
BH - Back-High(60-80)	758.76	5.9
BVH - Back-Very High(80-90)	24.204	0.2
Total Back Light	4624.8	36.0

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4624.8	0	4624.8
Street Side	8222.2	0	8222.2

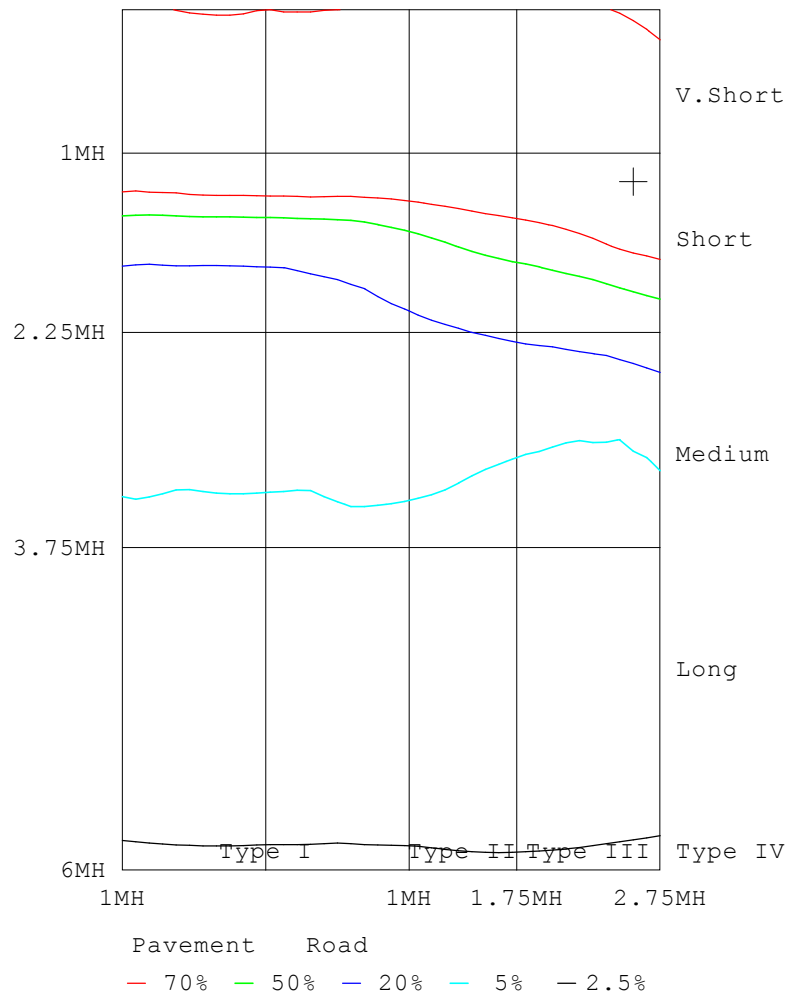
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.9V I:0.3773A P:81.29W PF:0.9754 Lamp Flux:12847x1 lm		
NAME: OPCITYIII-80W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
 Humidity:65.0%
 Test Distance:7.370m [K=1.0000]
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```